

ABSTRACT OF THE DISCLOSURE

Integrated Optical System Monitoring System

An integrated optical monitoring system comprises a hermetic package and an optical
5 bench sealed within the package. An optical fiber pigtail enters the package via a feed-
through to connect to and terminate above the bench. A tunable filter is connected to the top
of the bench and filters an optical signal transmitted by the fiber pigtail. A detector, also
connected to the bench, detects the filtered signal from the tunable filter. Thus, the entire
system is integrated together, on a single bench within a preferably small package. This
10 configuration makes the system useful as a subsystem, for example, in a larger system offering
higher levels of functionality and optical signal processing capability.